Životopis

Anica Bebek Markovinović, mag. ing. techn. aliment., diplomirala je na Prehrambeno-biotehnološkom fakultetu Sveučilišta u Zagrebu (PBF) 2014. godine. Iste godine počinje raditi u Ministarstvu poljoprivrede na poziciji stručne suradnice za registraciju i zaštitu posebnih oznaka kvalitete u Upravi kvalitete i fitosanitarne politike. Od 2019. godine radi u Laboratoriju za tehnologiju vode na PBF-u kao viša tehnička suradnica gdje sudjeluje u nastavnim aktivnostima te u eksperimentalnom dijelu provedbe projekta „Ublažavanje negativnih utjecaja klimatskih promjena na obradu voda površinskih akumulacija pri dobivanju vode za ljudsku potrošnju flokulacijom i ozoniranjem (KK.05.1.1.02.0003). Od 2020. godine uposlena je na mjestu asistenta u Laboratoriju za kemiju i tehnologiju voća i povrća te u 2021. godini upisuje doktorski studij Biotehnologija i bioprocesno inženjerstvo, prehrambena tehnologija i nutricionizam na PBF-u, pod mentorstvom izv. prof. dr. sc. Danijele Bursać Kovačević, a u sklopu znanstveno-istraživačkog projekta „Tehnologija preprekama i 3D printanje za okolišno prihvatljivu proizvodnju funkcionalnih voćnih sokova (IP-2019-04-2105)“ financiranog sredstvima Hrvatske zaklade za znanost. Njezino trenutno istraživanje usmjereno je na održive netoplinske tehnologije za preradu i ekstrakciju biljnog materijala, s naglaskom na 3D ispis funkcionalne hrane. Tijekom protekle četiri godine objavila je više od petnaest znanstvenih radova u časopisima Web of Science, pretežno Q1, često kao prvi autor. Također je predstavila svoj rad na više od 20 međunarodnih znanstvenih skupova, bilo putem postera ili usmenih izlaganja. Također je nagrađena i za najbolje poster priopćenje naslova "Strawberry tree fruit (*Arbutus unedo* L.) as a valuable ingredient for functional food production" koje je predstavila na međunarodnoj konferenciji XXXIV Scientific-Professional Conference - Processing and Energy in Agriculture - PTEP 2022, održane u Sokobanji, Srbija. Na PBF-u je sudjelovala u pomoći pri izradi i izvedbi 13 diplomskih i završnih radova te je članica Odbora za poslijediplomske studije PBF-a. Aktivno sudjeluje u popularizaciji znanosti, prezentirajući svoja istraživanja na raznim događanjima kao što su Dani otvorenih vrata PBF-a (2022., 2023.) i Festival znanosti (2021., 2022., 2023., 2024.). Osim toga, svoje znanje o 3D ispisu hrane podijelila je kroz javne medijske nastupe, uključujući HRT-ov program *Prometej* (2023.) i radio emisiju *Divni Novi Svijet* (HRT, 2022.).

Autobiography

Anica Bebek Markovinović, MSc in Food Engineering, graduated from the Faculty of Food and Biotechnology at the University of Zagreb (PBF) in 2014. That same year, she began working at the Ministry of Agriculture as an expert in the registration and protection of special quality marks within the Special Food Quality Marks Department of the Directorate for Quality and Plant Protection. In 2019, she transitioned to the PBF Laboratory of Water Technology as a senior technical assistant, contributing to the teaching and experimental part of the project "Mitigation of the negative effects of climate change on the water treatment of surface waters in the production of water for human consumption by flocculation and ozonation (KK .05.1.1.02.0003)". In 2020, she joined the Laboratory of Chemistry and Technology of Fruits and Vegetables as an assistant. Since 2021, she has been pursuing in a PhD in Biotechnology and Bioprocess Engineering, Food Technology and Nutrition at PBF, under the supervision of Associate Professor Dr. Danijela Bursać Kovačević. Her PhD research is part of the scientific project "Hurdle technology and 3D printing for sustainable fruit juice processing and preservation (IP-2019-04-2105)", funded by the Croatian Science Foundation. Her current research focuses on non-thermal sustainable technologies for plant material processing and extraction, with an emphasis on 3D printing of functional foods.

Over the past four years, she has published over fifteen scientific papers in Web of Science journals, predominantly Q1, often as the first author. She has also presented her work at more than 20 international scientific conferences, both through posters or oral presentations. Notably, she was awarded for the best poster on "Strawberry Tree Fruit (*Arbutus unedo* L.) as a Valuable Ingredient for Functional Food Production" at the XXXIV Scientific-Professional Conference-Processing and Energy in Agriculture (PTEP 2022) in Sokobanja, Serbia. At PBF, she has been involved in assisting the development and execution of 13 graduate and final theses and she is a member of the Postgraduate Studies Committee at PBF. She actively participates in science popularization, presenting her research at various events such as the PBF Open Days (2022, 2023) and the Science Festival (2021, 2022, 2023, 2024). Additionally, she has shared her expertise on 3D food printing through public media appearances, including the HRT program *Prometej* (2023) and the radio show *Divni Novi Svijet* (HRT, 2022).